

Name \_\_\_\_\_ Date \_\_\_\_\_

## 2.5 DIVIDING RADICAL EXPRESSIONS

Simplify each radical expression

1.  $\frac{6 + \sqrt{2}}{8 - \sqrt{2}} =$

2.  $\frac{4 - \sqrt{3}}{7 - \sqrt{3}} =$

3.  $\frac{5 - 4\sqrt{6}}{8 + 3\sqrt{6}} =$

4.  $\frac{9 + 5\sqrt{7}}{2 - 3\sqrt{7}} =$

5.  $\frac{\sqrt{72a^7}}{\sqrt{6a^3}} =$

6.  $\frac{\sqrt{3x}}{\sqrt{6}} =$

7.  $\frac{\sqrt{2a^3}}{\sqrt{10ab}} =$

8.  $\frac{\sqrt[3]{4}}{\sqrt[3]{6x}} =$

9.  $\frac{\sqrt{15a^2}}{\sqrt{5ab^3}} =$

10.  $\frac{\sqrt[3]{14a}}{\sqrt[3]{21ab^2}} =$

11.  $\frac{\sqrt{16a^7b^{16}}}{\sqrt{24a^{11}b^9}} =$

12.  $\frac{\sqrt[3]{24a^{14}b^7}}{\sqrt[3]{30a^6b^{15}}} =$

13.  $\frac{3\sqrt{32a^3b^{11}}}{2\sqrt{18a^9b^2}} =$